

WHAT IS CLAIMED IS:

1. An isolated polynucleotide encoding for VEGF2, said polynucleotide selected from the group consisting of
 - (a) a polynucleotide encoding for the VEGF2 polypeptide having the deduced amino acid sequence of Figure 1 or an active fragment, analogue or derivative of said polypeptide;
 - (b) a polynucleotide encoding for the VEGF2 polypeptide having the amino acid sequence encoded by the cDNA contained in ATCC Deposit No.75698 or an active fragment, analogue or derivative of said polypeptide.
2. The polynucleotide of Claim 1 wherein the polynucleotide is DNA.
3. The polynucleotide of Claim 1 wherein the polynucleotide is RNA.
4. The polynucleotide of Claim 1 wherein the polynucleotide is genomic DNA.
5. The polynucleotide of Claim 2 wherein said polynucleotide encodes for VEGF2 having the deduced amino acid sequence of Figure 1.
6. The polynucleotide of Claim 2 wherein said polynucleotide encodes for the VEGF2 polypeptide encoded by the cDNA of ATCC Deposit No. 75698.
7. The polynucleotide of Claim 1 having the coding sequence for VEGF2 as shown in Figure 1.
8. The polynucleotide of Claim 2 having the coding sequence for VEGF2 deposited as ATCC Deposit No. 75698.
9. A vector containing the DNA of Claim 2.
10. A host cell genetically engineered with the vector of Claim 9.

11. A process for producing a polypeptide comprising: expressing from the host cell of Claim 10 the polypeptide encoded by said DNA.
12. A process for producing cells capable of expressing a polypeptide comprising genetically engineering cells with the vector of Claim 9.
13. An isolated DNA hybridizable to the DNA of Claim 2 and encoding a polypeptide having VEGF2 activity.
14. A polypeptide selected from the group consisting of
 - (i) a VEGF2 polypeptide having the deduced amino acid sequence of Figure 1 and active fragments, analogs and derivatives thereof; and
 - (ii) a VEGF2 polypeptide encoded by the cDNA of ATCC Deposit No. 75698 and active fragments, analogs and derivatives of said polypeptide.
15. The polypeptide of Claim 14 wherein the polypeptide is VEGF2 having the deduced amino acid sequence of Figure 1.
16. An antibody against the polypeptide of claim 14.
17. An antagonist against the polypeptide of claim 14.
18. A method for the treatment of a patient having need of VEGF2 comprising: administering to the patient a therapeutically effective amount of the polypeptide of claim 14.
19. A method for the treatment of a patient having need to inhibit VEGF2 comprising: administering to the patient a therapeutically effective amount of an antagonist against the polypeptide of Claim 14.
20. A pharmaceutical composition comprising the polypeptide of Claim 14 and a pharmaceutically acceptable carrier.